

# VisionSC-HD4+

Professional audio and video capture card



## HIGH PERFORMANCE CARD

A wide range of applications demand multiple channels of video capture from a single card. Markets include advanced medical, defence and security applications. Suitable for these markets and others, Datapath's VisionSC-HD4+ audio video capture card provides an outstanding, powerful solution for multiple HDMI or DVI video capture with support for HDCP\*.

## QUAD HDMI VIDEO CAPTURE

The VisionSC-HD4+ has four onboard HDMI 1.4 video capture channels; two channels supporting 3840 x 2160 at 60fps and two channels offering support for 1920 x 1080 at 60fps. All four channels are capable of operating independently of each other, enabling four separate 4 video sources to be captured and controlled simultaneously. The card also has embedded audio support across all four channels. The VisionSC-HD4+ is shipped with adapter cables for either HDMI or DVI.

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**DATAPATH**  
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# Advanced graphics display

## VISION PERFORMANCE FEATURES

The VisionSC-HD4+ is supplied with the Datapath Vision Performance Driver. Combining both Hardware and Software enhancements the Vision Performance Driver provides users with a variety of features to help them achieve their goals.

Features include LiveStream:Capture, low latency capture solution, MultiStream allowing for the independent control of multiple instances of a single capture, a hardware based time stamping facility, automatic signal detection and more.

## VIDEO STREAMING

For streaming applications, the VisionSC-HD4+ can be used with Windows Media Encoder to compress and stream captured video. To replay the video, use Windows® Media Player.

Any application compatible with Windows® DirectShow technology can use the VisionSC-HDMI4 due to its built-in WDM support.

## COMPATIBILITY

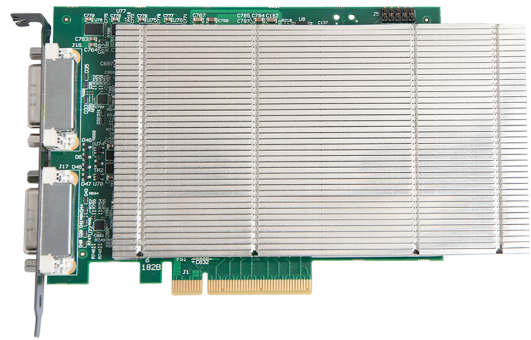
The VisionSC-HD4+ is supported by the following operating systems: Linux, Windows® XP, Windows Vista, Windows Server 2003, Windows Server 2008, Windows 7, Windows 8/8.1 and Windows 10.

Datapath SDK is included for software developers.

## MODELS AVAILABLE

Order Code: VisionSC-HD4+/H  
Capture card with 2 x HDMI splitter cables

Order Code: VisionSC-HD4+/D  
Capture card with 2 x DVI splitter cables



## SPECIFICATION

### BOARD FORMAT

PCIe x8 plug-in card

### DIMENSIONS

110mm x 177mm (inc. heat sink)

### CONNECTORS ADAPTERS

2 x DSM-59 connectors plus  
(see below for options)

### UPDATE RATE

Channels 1 & 3 - 297 MP/s  
Channels 2 & 4 - 165 MP/s

### MAX CAPTURE RESOLUTION

Channels 1 & 3 2 x 3840 x 2160p  
at 60Hz  
Channels 2 & 4 2 x 1920 x 1080p  
at 60Hz

### FRAME BUFFER

768MB

### PIXEL TRANSFER FORMATS

RGB: 5-5-5, 5-6-5 or 8-8-8  
(24bit/32bit) YUV: 4:2:2  
MONO: 8bit

### VIDEO MODES

HDMI 1.4, HDMI 1.3, DVI

### POWER REQUIREMENTS

Max current at +3.3 - 0.45A. Max  
current at +12V - 0.85A Max  
power ≈ 18W

### OPERATING TEMPERATURE

0 °C to 35 °C / 32 °F to 96 °F

### STORAGE TEMPERATURE

-20 °C to 70 °C / -4 °F to 158 °F

### RELATIVE HUMIDITY

5% to 90% non-condensing

### WARRANTY

3 years

\*HDCP support requires the use of a Datapath Graphics Card.

All products are shipped with the latest software available, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

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